

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|--|------------------|---------|------------------|
| S1 | 21260 | (358/1.2,1.9,1.1,1.5,1.6,1.12,1.18,3.11,3.12,538,528,3.1,3.13,1.7,1.8,474,475,461,465,466,468,3.07,3.09,3.27,1.11,530,532).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/09 18:58 |
| S2 | 1558 | (382/299,298).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/09 18:58 |
| S3 | 2164 | (347/1,2,3,5).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/09 18:58 |
| S4 | 24561 | S1 or S2 or S3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:13 |
| S5 | 627920 | resolut\$5 or resolution\$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 18:59 |
| S6 | 239243 | dot\$3 near9 position\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:00 |
| S7 | 279357 | dot\$3 with position\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:01 |

EAST Search History

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| S8 | 15792 | S5 and S7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:01 |
| S9 | 1390 | S5 and S7 and S4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:01 |
| S10 | 557758 | pitch\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:02 |
| S11 | 2834994 | scan or scanning or scan\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:03 |
| S12 | 14014 | shift\$5 with dot\$3 with position\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:04 |
| S13 | 5017 | S5 and S7 and S10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:04 |
| S14 | 4087 | S5 and S7 and S10 and S11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:05 |

EAST Search History

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| S15 | 820 | S5 and S7 and S10 and S11 and S12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S16 | 29559 | calculat\$5 with accumulat\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:06 |
| S17 | 62 | S15 and S16 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:06 |
| S18 | 13 | calculat\$5 with accumulat\$5 with dot\$3 with position\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:07 |
| S19 | 38778 | compar\$5 with accumulat\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:08 |
| S20 | 3 | S17 and S18 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:10 |
| S21 | 59 | S17 and S19 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:11 |

EAST Search History

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| S22 | 784 | (358/3.26).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/09 19:13 |
| S23 | 220 | (382/113).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/09 19:13 |
| S24 | 25111 | S1 or S2 or S3 or S22 or S23 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:14 |
| S25 | 1452 | S24 and S8 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:15 |
| S26 | 461 | S24 and S13 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:15 |
| S27 | 437 | S24 and S14 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:15 |
| S28 | 112 | S24 and S15 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:46 |

EAST Search History

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| S29 | 6 | S24 and S17 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:16 |
| S30 | 5 | S24 and S18 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:16 |
| S31 | 1 | S24 and S20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:16 |
| S32 | 6 | S24 and S21 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:17 |
| S33 | 326 | (dot\$3) with (detect\$5) with (start\$5) with (position\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:22 |
| S34 | 70 | ((dot\$3) with (detect\$5) with (start\$5) with (position\$3)) and (pitch\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:19 |
| S35 | 56 | ((dot\$3) with (detect\$5) with (start\$5) with (position\$3)) and (pitch\$5) and (scan\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:20 |

EAST Search History

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| S36 | 2 | ((dot\$3) with (detect\$5) with (start\$5) with (position\$3)) and (pitch\$5) and (scan\$5) and (calculat\$5 same accumulat\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:21 |
| S37 | 43 | (shift\$5) with (dot\$3) with (detect\$5) with (start\$5) with (position\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:23 |
| S38 | 60 | (shift\$5) same ((dot\$3) with (detect\$5) with (start\$5) with (position\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:23 |
| S39 | 38778 | compar\$5 with accumulat\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:24 |
| S40 | 29559 | calculat\$5 with accumulat\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:24 |
| S41 | 4922 | S39 and S40 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:25 |
| S42 | 1 | S39 and S40 and S33 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:25 |

EAST Search History

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| S43 | 192 | S39 and S40 and S7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:37 |
| S44 | 74 | S39 and S40 and S7 and S12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:27 |
| S45 | 9 | S33 and S39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:27 |
| S46 | 1 | S33 and S40 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:27 |
| S47 | 20 | S24 and S33 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:28 |
| S48 | 4 | S24 and S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:28 |
| S49 | 4 | S24 and S35 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:28 |

EAST Search History

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|-----|-------|--|--|----|-----|------------------|
| S50 | 4 | S24 and S37 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:28 |
| S51 | 5 | S24 and S38 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:28 |
| S52 | 65 | S24 and S41 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:29 |
| S53 | 19 | S24 and S43 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:29 |
| S54 | 6 | S24 and S44 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:29 |
| S55 | 6 | S24 and S45 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/09 19:29 |
| S56 | 21260 | (358/1.2,1.9,1.1,1.5,1.6,1.12,1.18,3.11,3.12,538,528,3.1,3.13,1.7,1.8,474,475,461,465,466,468,3.07,3.09,3.27,1.11,530,532).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/10 06:28 |

EAST Search History

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| S57 | 1558 | (382/299,298).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/10 06:28 |
| S58 | 2164 | (347/1,2,3,5).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/10 06:28 |
| S59 | 627920 | resolut\$5 or resolution\$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S60 | 279357 | dot\$3 with position\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S61 | 557758 | pitch\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S62 | 2834994 | scan or scanning or scan\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S63 | 14014 | shift\$5 with dot\$3 with position\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |

EAST Search History

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|-----|-------|-------------------------------------|--|----|-----|------------------|
| S64 | 820 | S59 and S60 and S61 and S62 and S63 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S65 | 29559 | calculat\$5 with accumulat\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S66 | 62 | S64 and S65 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S67 | 38778 | compar\$5 with accumulat\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S68 | 59 | S66 and S67 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S69 | 784 | (358/3.26).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/10 06:28 |
| S70 | 220 | (382/113).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/10 06:28 |

EAST Search History

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|-----|-------|---------------------------------|--|----|----|------------------|
| S71 | 25111 | S56 or S57 or S58 or S69 or S70 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:28 |
| S72 | 6 | S68 and S71 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:30 |
| S73 | 112 | S64 and S71 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:31 |
| S74 | 38778 | compar\$5 with accumulat\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:31 |
| S75 | 29559 | calculat\$5 with accumulat\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:31 |
| S76 | 74 | S74 and S75 and S60 and S63 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:31 |
| S77 | 6 | S76 and S71 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:32 |

EAST Search History

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|-----|--------|--|--|----|----|------------------|
| S78 | 3083 | determin\$5 with dot\$3 with size\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:34 |
| S79 | 6266 | determin\$5 with dot\$3 with position\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:34 |
| S80 | 29559 | calculat\$5 with accumulat\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:35 |
| S81 | 148090 | calculat\$5 with averag\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:35 |
| S82 | 880 | (S78 or S79) and (S80 or S81) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:37 |
| S83 | 134 | S82 and S71 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:36 |
| S84 | 314 | (S78 or S79) and (S80 or S81) and S63 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 06:37 |

EAST Search History

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|-----|-------|--|--|----|----|------------------|
| S85 | 40 | S84 and S71 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:14 |
| S86 | 5259 | resolution\$3 same (dot\$3) same (position\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:15 |
| S87 | 1391 | resolution\$3 same (dot\$3) same (position\$3) same (scan\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:16 |
| S88 | 131 | resolution\$3 same (dot\$3) same (position\$3) same (scan\$5) same (measur\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:18 |
| S89 | 7 | resolution\$3 same (dot\$3) same (position\$3) same (scan\$5) same (measur\$5) same (evaluat\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:18 |
| S90 | 17 | resolution\$3 same (scan\$5) same ((measur\$5) with (dot\$3) with (position\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:20 |
| S91 | 94636 | dot\$3 and (start\$5 with position\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:20 |

EAST Search History

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| S92 | 42289 | dot\$3 and (start\$5 with position\$3) and detect\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:20 |
| S93 | 1254 | dot\$3 and (start\$5 with position\$3) and detect\$5 and (determin\$5 with dot\$3 with position\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:22 |
| S94 | 435 | dot\$3 and (start\$5 with position\$3) and detect\$5 and (determin\$5 with dot\$3 with position\$3) and (shift\$5 with dot\$3 with position\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:23 |
| S95 | 0 | dot\$3 and (start\$5 with position\$3) and detect\$5 and (determin\$5 with dot\$3 with position\$3) and (shift\$5 with dot\$3 with position\$3) and (ccompar\$5 with accumulat\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:24 |
| S96 | 239 | dot\$3 and (start\$5 with position\$3) and detect\$5 and (determin\$5 with dot\$3 with position\$3) and (shift\$5 with dot\$3 with position\$3) and (compar\$5 with accumulat\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:24 |
| S97 | 59 | dot\$3 and (start\$5 with position\$3) and detect\$5 and (determin\$5 with dot\$3 with position\$3) and (shift\$5 with dot\$3 with position\$3) and (compar\$5 with accumulat\$5) and (calculat\$5 with accumulat\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:25 |
| S98 | 604 | S71 and S86 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:26 |

EAST Search History

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|------|------|-------------|--|----|----|------------------|
| S99 | 175 | S71 and S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:26 |
| S100 | 18 | S71 and S88 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:26 |
| S101 | 1 | S71 and S89 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:26 |
| S102 | 4 | S71 and S90 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:26 |
| S103 | 1706 | S71 and S91 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:26 |
| S104 | 1306 | S71 and S92 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:27 |
| S105 | 123 | S71 and S93 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:27 |

EAST Search History

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| S10 6 | 56 | S71 and S94 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:27 |
| S10 7 | 23 | S71 and S96 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:27 |
| S10 8 | 5 | S71 and S97 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 07:27 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|----------|------------------|---------|------------------|
| S1 | 15029 | resolution.clm. | US-PGPUB | OR | ON | 2007/10/10 08:45 |
| S2 | 8888 | dot\$3.clm. | US-PGPUB | OR | ON | 2007/10/10 08:45 |
| S3 | 1093 | (dot\$3 with position\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:46 |
| S4 | 132 | S1 and S3 | US-PGPUB | OR | ON | 2007/10/10 08:46 |
| S5 | 77 | (measur\$5 with dot\$3 with position\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:48 |
| S6 | 40 | S1 and S5 | US-PGPUB | OR | ON | 2007/10/10 08:47 |
| S7 | 1477 | (calculat\$5 with accumulat\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:47 |
| S8 | 74 | (shift\$5 with dot\$3 with position\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:48 |
| S9 | 2 | S7 and S8 | US-PGPUB | OR | ON | 2007/10/10 08:49 |
| S10 | 1 | S9 and S5 | US-PGPUB | OR | ON | 2007/10/10 08:49 |
| S11 | 15 | (calculat\$5 and shift\$5 and compar\$5 and dot\$3 and position\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:50 |
| S12 | 2 | (accumulat\$5 and calculat\$5 and shift\$5 and compar\$5 and dot\$3 and position\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:51 |
| S13 | 1 | (resolution\$3 and accumulat\$5 and calculat\$5 and shift\$5 and compar\$5 and dot\$3 and position\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:52 |
| S14 | 403 | (image\$3 and dot\$3 and scan\$5 and position\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:53 |
| S15 | 103 | (image\$3 and dot\$3 and scan\$5 and position\$3 and pitch\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:53 |
| S16 | 2 | (image\$3 and dot\$3 and scan\$5 and position\$3 and pitch\$5 and accumulat\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:53 |
| S17 | 1 | (image\$3 and dot\$3 and scan\$5 and position\$3 and pitch\$5 and accumulat\$5 and shift\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:54 |
| S18 | 449 | (determin\$5 and dot\$3 and position\$3 and line\$2).clm. | US-PGPUB | OR | ON | 2007/10/10 08:54 |
| S19 | 196 | (determin\$5 and dot\$3 and position\$3 and line\$2 and detect\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:55 |
| S20 | 53 | (determin\$5 and dot\$3 and position\$3 and line\$2 and detect\$5 and minimum\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:55 |
| S21 | 3 | (determin\$5 and dot\$3 and position\$3 and line\$2 and detect\$5 and minimum\$3 and shift\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:55 |

EAST Search History

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| S22 | 1 | (determin\$5 and dot\$3 and position\$3 and line\$2 and detect\$5 and minimum\$3 and shift\$5 and next\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:56 |
| S23 | 2168 | (compar\$5 and plural\$5 and accumulat\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:57 |
| S24 | 912 | (compar\$5 and plural\$5 and accumulat\$5 and detect\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:57 |
| S25 | 119 | (compar\$5 and plural\$5 and accumulat\$5 and detect\$5 and minimum\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:57 |
| S26 | 58 | (compar\$5 and plural\$5 and accumulat\$5 and detect\$5 and minimum\$3 and calculat\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:58 |
| S27 | 6 | (compar\$5 and plural\$5 and accumulat\$5 and detect\$5 and minimum\$3 and calculat\$5 and shift\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:58 |
| S28 | 1 | (compar\$5 and plural\$5 and accumulat\$5 and detect\$5 and minimum\$3 and calculat\$5 and shift\$5 and dot\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:58 |
| S29 | 104 | (determin\$5 and next\$3 and dot\$3 and position\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 08:59 |
| S30 | 15 | (determin\$5 and next\$3 and dot\$3 and position\$3 and start\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 08:59 |
| S31 | 4 | (determin\$5 and next\$3 and dot\$3 and position\$3 and start\$5 and pitch\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 09:00 |
| S32 | 1 | (determin\$5 and next\$3 and dot\$3 and position\$3 and start\$5 and pitch\$5 and scan\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 09:00 |
| S33 | 331 | (image\$3 and signal\$3 and dot\$3 and position\$3).clm. | US-PGPUB | OR | ON | 2007/10/10 09:01 |
| S34 | 6 | (image\$3 and signal\$3 and dot\$3 and position\$3 and (set\$2 or setting\$2) and accumulat\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 09:02 |
| S35 | 3 | (image\$3 and signal\$3 and dot\$3 and position\$3 and (set\$2 or setting\$2) and accumulat\$5 and shift\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 09:02 |
| S36 | 2 | (image\$3 and signal\$3 and dot\$3 and position\$3 and (set\$2 or setting\$2) and accumulat\$5 and shift\$5 and compar\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 09:03 |

EAST Search History

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| S37 | 1 | (image\$3 and signal\$3 and dot\$3 and position\$3 and (set\$2 or setting\$2) and accumulat\$5 and shift\$5 and compar\$5 and calculat\$5).clm. | US-PGPUB | OR | ON | 2007/10/10 09:04 |
| S38 | 70 | (Fumihiro near9 Nakashige).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:05 |
| S39 | 6 | S38 and (resolution\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:09 |
| S40 | 5 | S38 and (resolution\$3 and dot\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:10 |
| S41 | 5 | S38 and (resolution\$3 and dot\$3 and position\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:11 |
| S42 | 1 | S38 and (resolution\$3 and dot\$3 and position\$3 and calculat\$5 and accumulat\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:07 |
| S43 | 5 | S38 and (resolution\$3 and dot\$3 and position\$3 and calculat\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:11 |

EAST Search History

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| S44 | 1 | S38 and (resolution\$3 and dot\$3 and position\$3 and calculat\$5 and shift\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:07 |
| S45 | 3 | S38 and ((resolution\$3).clm.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:10 |
| S46 | 1 | S38 and ((resolution\$3 and dot\$3).clm.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:12 |
| S47 | 69 | (Mitsumasa near9 Nomoto).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:09 |
| S48 | 2 | S47 and (resolution\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:09 |
| S49 | 1 | S47 and (resolution\$3 and dot\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:10 |
| S50 | 1 | S47 and ((resolution\$3).clm.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:10 |

EAST Search History

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| S51 | 2 | S47 and (dot\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:11 |
| S52 | 2 | S47 and (dot\$3 and position\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:11 |
| S53 | 1 | S47 and (dot\$3 and position\$3 and calculat\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:11 |
| S54 | 1 | S47 and ((dot\$3).clm.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:11 |
| S55 | 1 | S38 and ((dot\$3).clm.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 09:12 |